

EKINCAN UFUKTEPE

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EDUCATION

Izmir University of Economics

June 2011

B.Sc. in Computer Engineering

Thesis: An Investigation of Image Processing Features Using Neural Networks in SAR Remote Sensing Classification

Izmir Institute of Technology

July 2014

M.Sc. in Computer Engineering

Thesis: Measurement of JavaScript Applications' Readiness to Untrusted Data Using Bayesian Networks

Izmir Institute of Technology

September 2014 - Ongoing

Ph.D. in Computer Engineering

Thesis: Test Case Prioritization for Regression Testing

EXPERIENCE

Izmir Institute of Technology

March 2012 - Present

Research/Teaching Assistant

Izmir, Turkey

- Teaching and Lab preparation for undergraduate courses.
- Homework and Lab assignment preparation.
- Homework, Lab assignment and quiz evaluation.

SAP Labs

March 2013 - August 2013

Intern

Mougins, France

- Participated a project on preventing input validation vulnerabilities on server-side web applications on SAP HANA Cloud.
- Developing and improving an Eclipse plug-in for input validation analysis and policy generation.
- Creating the architecture and UML diagrams of the project.
- Documentation of development process and user manual.

Izmir University of Economics

February 2011 - May 2011

Student Assistant

Izmir, Turkey

- Assisting the *Probability and Stochastic Processes* course as a student assistant.
- Homework preparation and evaluation.

Universidad de Cantabria, App. Math. & Compt. Sciences

June 2010 - August 2010

Intern

Santander, Spain

- Participated project *Santadeuorpa*.
- Coding, graphic and computer game designer using artificial intelligence by using UDK (Unreal Development Kit).

- Developing Google Gadgets and Yahoo Widgets by using JavaScript for IPTVs.
- Developing a RSS based feeded Daily News reporting Google Gadgets and Yahoo Widgets

TECHNICAL STRENGTHS

Computer Languages	Java, C/C++, Python, JavaScript, PHP, Scheme/Racket,
Protocols & APIs	XML, JSON, DOT
Databases	MySQL, PostgreSQL
Application Programs	MATLAB, Eclipse, Netbeans, MS Office, OpenOffice/Libre Office, PolSARPro, MS Visual Studio, CodeBlocks, Graphviz.
Tools	Web Scarab, W3AF, PMD, TAJIS

PUBLICATIONS

Journals

1. Ufuktepe E., Tuglular T., Estimating Software Robustness in Relation to Input Validation Vulnerabilities using Bayesian networks, *Software Quality Journal*, 2017

Proceedings

1. Ufuktepe E., Tuglular T., JavaScript Kütüphanelerinin Güvenilir Olmayan Verilere Karşı Hazır Olma Durumlarının Bayesian Ağları ile Ölçülmesi (**Translation:** *Measurement of JavaScript Applications' Readiness against Untrusted Data Using Bayesian Networks*), 7th International Conference on Information Security and Cryptology, ISC 2014

Workshops

1. Ufuktepe E., Tuglular T., Automation Architecture for Bayesian Network Based Test Case Prioritization and Execution, *Computer Software and Applications Conference Workshops (COMP-SACW)*, 2016 IEEE 40th Annual

National Conferences

1. Ufuktepe E., Tuglular T., JavaScript Kütüphaneleri için Girdi Doğrulama Analizi (**Translation:** *Input Validation Analysis for JavaScript Libraries*), 9. Ulusal Yazılım Mühendisliği Sempozyumu, UYMS 2015 (**Best Paper**)
2. Toksoy M., Sofuoğlu, S. C., Ekren O., Ufuktepe, E., Varlık N., Sınıflarda Havalandırma Debinin Belirlenmesi (**Translation:** *Determining Ventilation in Classrooms*), 12. Ulusal Tesisat Mühendisliği Kongresi, İzmir, 2015

PATENTS

1. Bir Yazılımın Dayanıklılığını Ölçmeye Yönelik bir Yöntem (**Translation:** *An Approach to Measure a Software's Robustness*), Turkish Patent Institute, **Document ID:** 2015-GE-492476 , Ufuktepe E., Tuglular T.,

AWARDS

1. Incentive Award in area of Biology, 1 - 4 May 2007, 16. MEF Competition of Research Projects.
2. Honorary Mention Award in area of Biology, 2 June 2006, D.E.Ü. Faculty of Engineering and Uğur Dershaneleri 3. Competition of Science and Engineering Projects.

3. Finalist in area of Biology, 2006, 36. TÜBİTAK Competition of Secondary Education Students Research Projects.